The Structure and Interpretation of Computer Programs

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Reviews

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Reviewer: SmikketAbito - ★★★★★ - March 25, 2020
Subject: Online Scheme compiler, Online Scheme IDE, and online Scheme REPL.
I don't know how well this will dovetail with the lectures but this online Scheme compile and IDE has been working pretty well for me to follow along with what he's been doing so far. Check it out if you don't want to go through the trouble of setting it up on your own machine.

https://repl.it/languages/scheme

Reviewer: dvbsknd - ★★★★★ - March 13, 2020
Subject: Link to next episode
https://archive.org/details/ucberkeley_webcast_TTK2l-ZoWbPQ

Reviewer: robskrob - ★★★★★ - December 23, 2019
Subject: Great Lecturer
I am learning a lot already, and I am only in the 3rd lecture.

14 Reviews

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Spring 2011 Courses Part 1

UC Berkeley Webcast Videos

Computer Science 61A, 001 - Spring 2011

Uploaded by
NataliaZ
on March 18, 2017

I am having trouble installing UC Berkley's binary of scheme on my macOS Catalina 10.15 -- whenever I run the CLI command for scheme I get an error:
"bad CPU type in executable: stk"

I think I understand why. The distribution currently available, http://wla.berkeley.edu/~scheme/precompiled/OSX/, is not compiled to work on the latest macOS. Has anyone had a work around for this? I was able to install and use MIT scheme, https://formulae.brew.sh/formula/mit-scheme, but of course with the MIT distribution of scheme I cannot run the scheme that Brian writes in his lectures because he uses functions that the MIT distribution does not recognize.

Reviewer: Jonathan Badger - ★★★★ - August 6, 2019
Subject: Well done series of lectures
This is a well done series of lectures on SICP which ironically are superior to those given by Sussman and Abelson (the authors of SICP) themselves. I only take off one star because the quality of the video capture isn't great, making some of the onscreen text a bit hard to read in places (yeah, I know it was 2011).

BTW, one option for getting the special commands (butfirst, sentence, etc.) that Brian uses is to use the "simply-scheme" dialect in Racket. Once you've installed the package (with raco pkg install simply-scheme or the GUI equivalent), just start your code with #lang simply-scheme and you will have these commands avilable.

Reviewer: Rafael Beckel - ★★★★★ - April 17, 2019
Subject: Previous commenter numerical correction
@sstardust27 you remembered the numbers correctly, but your approximation is incorrect.

If you want the first 9 decimal places, you should round the 9th *up* if the next number is 5 or more.

So, "...358" gets rounded to 4, and your 3.14159265 3 58979323846 should be actually 3.141592654 as it is in

the lecture. The pi approximation in the lecture is actually right.

Reviewer: AceLeroux - ★★★★★ - April 5, 2019
Subject: How To Get STK Used In Video
You have to first follow the instructions in the link:
http://inst.eecs.berkeley.edu/~scheme/

Then once XWin Server has loaded you type
stk-simply into the command prompt and it loads the stk version used in the videos.

Link: http://inst.eecs.berkeley.edu/~scheme/docs/?file=README-explorin-vs-simply.txt

Reviewer: milkis - ★★★★ - March 2, 2019
Subject: Interested, homework solutions available?
Any idea where to get homework solutions?

Overall this github has been very helpful with materials, but the homework solutions aren't published anymore
https://github.com/fgalassi/cs61a-sp11

Easy to install UCB's scheme here
http://wla.berkeley.edu/~scheme/

Found on teachyourselfcs.com - seems like a good course so far (video quality is soso but lecturer is good).

Reviewer: Airoanas - ★★ - February 25, 2019
Subject: STK
when i downloaded STK i got another version called Cygwin I do not have the same version as the professor i don't know if that would be a problem.
For those who want to go through the lecture and excercices but can't download the Scheme, you can replace it by DrRacket it's almost similar to the MIT scheme. here is the link:
https://racket-lang.org/download/

Reviewer: zetaomegagon - - October 12, 2018
Subject: Looking for STK? (EDIT: Course material, running

in Emacs, Function definition locations)
EDIT1: 12-oct-18, later in the day
EDIT2: 12-oct-18, somewhat later than before

Here is a link to the SP2011 course material and a helpful GH repo:

> https://wla.berkeley.edu/~cs61a/sp11/
> https://github.com/fgalassi/cs61a-sp11

Here is the link to the UCB version of the STk interpreter:

> https://inst.eecs.berkeley.edu/~scheme/

On Fedora 26 I used:

> $ sudo dnf install STk-4.0.1-ucb1.3.6.i386.rpm

Then:

> $ which stk
> $ ls -Al /usr/local/bin/ | grep stk

This pulled all the dependencies and listed the function definitions. For other distros, macOS, and Windows, I'm assumming YMMV.

The most current and source version of STk is called STklos, found here, but I have not tested it:

> http://www.stklos.net/

NOTE: it will not have the function definitions/libraries for any of the UCB classes. See the UCB page I listed above. I am working on finding the definition files and testing.
FOUND:

> /usr/local/lib/stk/site-scheme/*

If you want to use Emacs, add this to your ~/.emacs, or ~/.emacs.d/init.el file:

> (setq scheme-program-name "/path/to/your/scheme")

Then in Emacs:

> M-x run-scheme

M-x = Meta-x = ALT-x on most systems. Now you can, at the very least, use arrow keys!

Reviewer: ondrejsynacek - ★★★★★ - September 27, 2018
Subject: STk interpreter
The video is very well done although the quality could be better. However I couldn't find how to run STk Scheme language on modern operating systems. I tried simple Scheme IDE & compiler at repl.it but it does not seem to be compatible.

Reviewer: AntonyOtero - ★★★★★ - June 30, 2018
Subject: Great Course, Highly Recommended
Great course recommended in the site teachyourselfcs.-com, the video is not the best quality but if you listen you can make out what's being shown.

P.S. Although I'm confident that most people would recognize the irony of the comment by sstardust27 below, just for the sake of "spreading of correct information not vice versa" there is no *numerical* error with the instructors value for Pi. The instructor simply rounded off to the 9th place after the decimal, because the value of the 10th place after the decimal is 5 or greater then the value of the 9th place (which is a 3) becomes 4.

It's good practice to take information with a grain of salt and try to prove it to yourself (if possible) before you spread it further.

Reviewer: sstardust27 - ★★★★★ - April 20, 2018
Subject: course numberical correction - pi @ 13:41 lecture 1
Pi at 13:41 the professor stated it as 3.141592654
I knew it was off but had to check.. https://duckduckgo.-com/?q=pi+to+the+hundredth+digit&t=ffab&atb=v113-

2&ia=web

and i was right.. as i remembered from my childhood..
3.14159265 3 58979323846

it is a 3 and not a 4, so also the next statement he makes would be a false calculation if needed to be serious as the math is off. No big just wanting to help. I absolutely love the course so far, thanks so much...

p.s. not trying to troll here, am a being who believes in the spreading of correct information not vice versa, so wanted to speak up just in case nobody else caught it.. take care. and thanks again.

Reviewer: Dayun123 - ★★★★ - November 22, 2017
Subject: Great so far
Seems like a good course, was referred to this site by this link: https://teachyourselfcs.com/

Found some of the course materials here:
http://www-inst.eecs.berkeley.edu/~cs61a/reader/

Looking forward to going through the lectures!

Reviewer: Mubashirullah - ★★★★ - August 12, 2017
Subject: Awesome
Don't worry guys the audio gets better later on. If you can use headsets, that would be great. The code is readable with effort.

The class is so good and funny, I really cant complain.